VOLUME 36 · CONTENTS

No 1 JANUARY 1995

Page

Leading articles

1 Potential role of superantigen induced activation of cell mediated immune mechanisms in the pathogenesis of Crohn's disease *J P Ibbotson, J R Lowes*

5 Platelet dysfunction: a new dimension in inflammatory bowel disease *Carole E Collins, David S Rampton*

9 Surgical emergencies in tropical gastroenterology *Chris Holcombe*

Helicobacter pylori

12 Changes in the intragastric distribution of *Helicobacter pylori* during treatment with omeprazole *R P H Logan, M M Walker, J J Misiewicz, P A Gummett, Q N Karim, J H Baron*

Small intestine

17 Effect of predigested fat on intestinal stimulation of plasma cholecystokinin and gall bladder motility in coeliac disease *W P M Hopman, G Rosenbusch, M P C Hectors, J B M J Jansen*

22 Analysis of crypt cell proliferation in coeliac disease using MI-B1 antibody shows an increase in growth factor *R Przemioslo, N A Wright, G Elia, P J Ciclitira*

28 Studies on the expression of intestinal lactase in different individuals *C B Harvey, Y Wang, L A Hughes, D M Swallow, W P Thurrell, V R Sams, R Barton, S Lanzon-Miller, M Sarner*

34 Tyrosine phosphorylation in the human duodenum *D Kelleher, A Murphy, O Sheils, A Long, J McDevitt*

39 Effect of cholecystokinin on lower oesophageal sphincter pressure and transient lower oesophageal sphincter relaxations in humans *M Ledeboer, A A M Masclee, M R Batstra, J B M J Jansen, C B H W Lamers*

Inflammatory bowel disease

45 Soluble interleukin-6 receptors in inflammatory bowel disease: relation to circulating interleukin-6 *K Mitsuyama, A Toyonaga, E Sasaki, O Ishida, H Ikeda, O Tsuruta, K Harada, H Tateishi, T Nishiyama, K Tanikawa*

50 DNA flow cytometric evaluation of cell cycle distribution in ulcerative colitis: a proposed method for assessing severity of disease *F Bortoluzzi, M Valentini, C Cernigoi, G Toffoli, M Boiocchi, M Poletti, M Sozzi, M Fornasarig, R Cannizzaro, E Bertolissi*

55 Selective inhibition of fatty acid oxidation in colonocytes by ibuprofen: a cause of colitis? *W E W Roediger, S Millard*

60 Controlled trial of oligopeptide versus amino acid diet in treatment of active Crohn's disease *J C Mansfield, M H Giaffer, C D Holdsworth*

Gastrointestinal cancer

67 Photosensitisation and photodynamic therapy of oesophageal, duodenal, and colorectal tumours using 5 aminolaevulinic acid induced protoporphyrin IX – a pilot study *J Regula, A J MacRobert, A Gorchein, G A Buonaccorsi, S M Thorpe, G M Spencer, A R W Hatfield, S G Bown*

76 Expression of mutant p53 protein and CD44 variant proteins in colorectal tumorigenesis *J W R Mulder, V J M Wielenga, M M Polak, F M van den Berg, G R Adolf, P Herrlich, S T Pals, G J A Offerhaus*

81 Detection of c-Ki-*ras* mutations in faecal samples from sporadic colorectal cancer patients *J Smith-Ravin, J England, I C Talbot, W Bodmer*

87 Diagnostic value of a guaiac occult blood test and faecal alpha 1-antitrypsin *A Moran, D Husband, A F Jones, P Asquith*

90 A screening clinic for relatives of patients with colorectal cancer in a district general hospital *S Carpenter, M Broughton, C G Marks*

Large intestine

93 Colonic mucin synthesis is increased by sodium butyrate *I A Finnie, A D Dwarakanath, B A Taylor, J M Rhodes*

100 Why portal hypertensive varices bleed and bleed: a hypothesis *P A McCormick, S A Jenkins, N McIntyre, A K Burroughs*

104 Portal and systemic haemodynamic response to acute and chronic administration of low and high dose isosorbide-5-mononitrate in patients with cirrhosis *A L Jones, I H Bangash, J Walker, K J Simpson, N D C Finlayson, P C Hayes*

110 Energy expenditure and substrate metabolism in patients with cirrhosis of the liver: effects of the pattern of food intake *W P H G Verboeket-van de Venne, K R Westerterp, B van Hoek, G R Swart*

117 Increased serum pancreatitis associated protein (PAP) concentration after longterm alcohol consumption: further evidence for regular subclinical pancreatic damage after heavy drinking? *I Nordback, M Jaakkola, J L Iovanna, J C Dagorn*

Gall stones

121 Deoxycholic acid in gall bladder bile does not account for the shortened nucleation time in patients with cholesterol gall stones *H Noshiro, K Chijiiwa, I Makino, K Nakano, I Hirota*

126 Composition of gall bladder stones associated with octreotide: response to oral ursodeoxycholic acid *S H Hussaini, S P Pereira, G M Murphy, C Kennedy, J A H Wass, G M Besser, R H Dowling*

Pancreas

133 Pancreatic vascular regulation in chronic pancreatitis in cats *A L Widdison, N D Karanjia, H A Reber*

137 Profound duodenogastric relux causes pancreatic growth in rats *T Gasslander, H Mukaida, M K Herrington, R A Hinder, T E Adrian*

Case reports

142 Hepatic venous outflow obstruction in patients with polycystic liver disease: pathogenesis and treatment *W Uddin, J K Ramage, B Portmann, P Wilson, I Benjamin, K-C Tan, Roger Williams*

146 Hepatitis induced by traditional Chinese herbs; possible toxic components *J A Kane, S P Kane, S Jain*

148 Acute hepatitis C infection after sexual exposure *C J Healey, D B Smith, J L Walker, E C Holmes, K A Fleming, R W G Chapman, P Simmonds*

151 **BSG President's biography**

152 **Letters to the editor Book reviews Notes Correction**

158 **Referees**

No 2 FEBRUARY 1995

Leading articles

161 Laparoscopic cholecystectomy *K E F Hobbs*

165 Hyposplenism in gastrointestinal disease *A F Muller, P J Toghill*

168 Artificial livers – what's keeping them? *E Davies, H J F Hodgson*

Stomach

171 Functional defect of T cells in autoimmune gastritis *J A Vargas, M Alvarez-Mon, L Manzano, A Albillos, A Fernandez-Corugedo, F Albarrán, A Durántez*

176 Satiety effects of a physiological dose of cholecystokinin in humans *R J Lieverse, J B M J Jansen, A A M Masclee, C B H W Lamers*

180 Reasons for variations in the use of open access gastroscopy by general practitioners *A P S Hungin, M G Bramble, H O'Callaghan*

183 Relation between gastric emptying rate and energy intake in children compared with adults *B D Maes, Y F Ghoos, B J Geypens, M I Hiele, P J Rutgeerts*

189 Importance of reflux symptoms in functional dyspepsia *P K Small, M A Loudon, B Waldron, D Smith, F C Campbell*

Helicobacter pylori

193 Effect of *Helicobacter pylori* eradication on gastric metaplasia of the duodenum S *Khulusi, M A Mendall,SBadve, P Patel, C Finlayson, T C Northfield*

198 *Helicobacter pylori* associated with a high prevalence of duodenal ulcer disease and a low prevalence of gastric cancer in a developing nation *P J Hu, Y Y Li, M H Zhou, M H Chen, G G Du, B J Huang, H M Mitchell, S L Hazell*

Small intestine

203 Gastrin and the growth of the gastrointestinal tract *A A Ekundayo, C Y Lee, R A Goodlad*

209 Rat intestinal mucosal responses to a microbial flora and different diets *R Sharma, U Schumacher, V Ronaasen, M Coates*

215 Chloride dependent amino acid transport in the human small intestine *L K Munck*

220 Characterisation of the influence of anti-gastrin, anti-epidermal growth factor, anti-oestradiol, and anti-luteinising hormone releasing hormone antibodies on the proliferation of 27 cell lines from the gastrointestinal tract *F Darro, I Camby, A Kruczynski, J-L Pasteels, J Martinez, R Kiss*

231 Sequential changes in small intestinal structure and function during rotavirus infection in neonatal rats *A F Salim, A D Phillips, J A Walker-Smith, M J G Farthing*

Coeliac disease

239 Seroconversion of reticulin autoantibodies predicts coeliac disease in insulin dependent diabetes mellitus *M Mäki, T Huupponen, K Holm, O Hällström*

Coeliac disease

239 Seroconversion of reticulin autoantibodies predicts coeliac disease in insulin dependent diabetes mellitus *M Mäki, T Huupponen, K Holm, O Hällström*

Inflammatory bowel disease

243 Quantification of inflammatory bowel disease activity using technetium-99m HMPAO labelled leucocyte single photon emission computerised tomography (SPECT) *M J Weldon, A M Masoomi, A J Britten, J Gane, C J Finlayson, A E A Joseph, J D Maxwell*

Gastrointestinal cancer

251 Caffeine phenotyping of cytochrome P4501A2, *N*-acetyltransferase, and xanthine oxidase in patients with familial adenomatous polyposis *A D Spigelman, K C R Farmer, S Oliver, K P Nugent, P N Bennett, L J Notarianni, P Dobrocky, R K S Phillips*

255 1,25-dihydroxyvitamin D_3 and retinoid X receptor expression in human colorectal neoplasms *K F Kane, M J S Langman, G R Williams*

259 Characterisation of *CYP3A* gene subfamily expression in human gastrointestinal tissues *R A McKinnon, W M Burgess, P de la M Hall, S J Roberts-Thomson, F J Gonzalez, M E McManus*

268 Unconjugated secondary bile acids in the serum of patients with colorectal adenomas *E Bayerdörffer, G A Mannes, T Ochsenkühn, P Dirschedl, B Wiebecke, G Paumgartner*

Large intestine

274 Reporting simplified colonic transit studies using radionuclides: clinician friendly reports *A Notghi, A Mills, R Hutchinson, D Kumar, L K Harding*

276 Prospective study of physical activity and the risk of symptomatic diverticular disease in men *W H Aldoori, E L Giovannucci, E B Rimm, A Ascherio, M J Stampfer, G A Colditz, A L Wing, D V Trichopoulos, W C Willett*

283 Natural history and prognosis of diarrhoea of unknown cause in patients with acquired immunodeficiency syndrome (AIDS) *C Blanshard, B G Gazzard*

Liver

287 Effects of ethanol and protein deficiency on pancreatic digestive and lysosomal enzymes *M V Apte, J S Wilson, M A Korsten, G W McCaughan, P S Haber, R C Pirola*

Pancreatitis

294 Intraluminal gastric pH in chronic pancreatitis *P Bovo, G Cataudella, V Di Francesco, V Vaona, M Filippini, M Marcori, G Montesi, L Rigo, L Frulloni, M P Brunori, M C Andreaus, G Cavallini*

Case reports

299 A variant alkaline phosphatase found in a case of gastric carcinoma with super bone scan *F Kobayashi, T Ikeda, S Tozuka, O Noguchi, T Fukuma, S Sakamoto, F Marumo, T Komoda, Y Sakagishi, C Sato*

303 Increased CA 125 in a patient with tuberculous peritonitis: case report and review of published works *D K O'Riordan, A Deery, A Dorman, O E Epstein*

306 Colitis ulcerosa complicated by malignant lymphoma: case report and analysis of published works *R Lenzen, F Borchard, H Lübke, G Strohmeyer*

311 Fatal infectious mononucleosis: a severe complication in the treatment of Crohn's disease with azathioprine *E F M Posthuma, R G J Westendorp, A van der Sluys Veer, J C Kluin-Nelemans, Ph M Kluin, C B H W Lamers*

314 Recurrent gastrointestinal bleeding associated with chronic pancreatitis *A P Jenkins, M M El-Omar, J C L Booth, A K Banerjee, K G Burnand, R P H Thompson*

317 **BSG President's report for 1993–4**

Views and reviews

318 International gastroenterology *Jenny Heathcote*

320 **Book reviews**

No 3 MARCH 1995

Leading articles

321 Intestinal proliferation in coeliac disease: looking into the crypt *T C Savidge, J A Walker-Smith, A D Phillips*

324 Day surgery and gastroenterology *D Fenton-Lee, E Riach, T G Cooke*

Helicobacter pylori

327 *Helicobacter pylori* infection does not reduce the viscosity of human gastric mucus gel *D C Markesich, B S Anand, G M Lew, D Y Graham*

330 Serology for *Helicobacter pylori* compared with symptom questionnaires in screening before direct access endoscopy *M A Mendall, R P Jazrawi, J M Marrero, N Molineaux, J Levi, J D Maxwell, T C Northfield*

334 Mucosal erosions in longterm non-steroidal anti-inflammatory drug users: predisposition to ulceration and relation to *Helicobacter pylori* *A S Taha, R D Sturrock, R I Russell*

337 Effect of a test meal on the intragastric distribution of urea in the ^{13}C-urea breath test for *Helicobacter pylori* *J C Atherton, N Washington, P E Blackshaw, J L Greaves, A C Perkins, C J Hawkey, R C Spiller*

341 Interferon gamma and interleukin 4 secreting cells in the gastric antrum in *Helicobacter pylori* positive and negative gastritis *R Karttunen, T Karttunen, H-P T Ekre, T T MacDonald*

346 Cell proliferation in *Helicobacter pylori* associated gastritis and the effect of eradication therapy *D A F Lynch, N P Mapstone, A M T Clarke, G M Sobala, P Jackson, L Morrison, M F Dixon, P Quirke, A T R Axon*

351 Cell proliferation in the gastric corpus in *Helicobacter pylori* associated gastritis and after gastric resection *D A F Lynch, N P Mapstone, A M T Clarke, P Jackson, M F Dixon, P Quirke, A T R Axon*

354 Neutrophil degranulation by *Helicobacter pylori* proteins *A Nørgaard, L P Andersen, N Nielsen*

Stomach

358 Pharmacological manipulation of gastric juice: thrombelastographic assessment and implications for treatment of gastrointestinal haemorrhage *S E Patchett, D P O'Donoghue*

363 Impaired gastric relaxation in patients with achalasia *F Mearin, M Papo, J-R Malagelada*

Small intestine

369 Novel insights into human intestinal epithelial cell proliferation in health and disease using confocal microscopy *T C Savidge, J A Walker-Smith, A D Phillips*

375 Wheat deficient in gliadins: promising tool for treatment of coeliac disease *M Frisoni, G R Corazza, D Lafiandra, E De Ambrogio, C Filipponi, F Bonvicini, E Borasio, E Porceddu, G Gasbarrini*

379 Bacterial translocation in the rat model of lectin induced diarrhoea *R Shoda, D Mahalanabis, M A Wahed, M J Albert*

Colorectal cancer

382 Analysis of Ha-ras 1 allele frequencies in hereditary non-polyposis colorectal cancer *P Jeevaratnam, P J Browett, N S Van de Water, J R Jass*

385 Variables associated with the risk of colorectal adenomas in asymptomatic patients with a family history of colorectal cancer *P Gaglia, W S Atkin, S Whitelaw, I C Talbot, C B Williams, J M A Northover, S V Hodgson*

391 Proliferative compartment deregulation in the non-neoplastic colonic epithelium of familial adenomatous polyposis *S J Mills, N A Shepherd, P A Hall, A Hastings, J C Mathers, A Gunn*

Large intestine

395 Immune regulation of human colonic electrolyte transport in vitro *W A Stack, S J Keely, D P O'Donoghue, A W Baird*

401 Expression of binding of plasminogen, thrombospondin, vitronectin, and fibrinogen, and adhesive properties by *Escherichia coli* strains isolated from patients with colonic diseases *W Shen, H Steinrück, Å Ljungh*

Inflammatory bowel disease

407 Pelvic and perineal complications of Crohn's disease: assessment using magnetic resonance imaging *P J Haggett, N R Moore, J D Shearman, S P L Travis, D P Jewell, N J Mortensen*

411 Increased expression of cell adhesion molecule P-selectin in active inflammatory bowel disease *G M Schürmann, A E Bishop, P Facer, M Vecchio, J C W Lee, D S Rampton, J M Polak*

419 Ascitic fluid γ interferon concentrations and adenosine deaminase activity in tuberculous peritonitis *M A Sathar, A E Simjee, Y M Coovadia, P N Soni, S A H Moola, B Insam, F Makumbi*

Liver

422 Adenine arabinoside 5′-monophosphate in patients with chronic hepatitis B: comparison of the efficacy in patients with high and low viral replication *P Marcellin, M Pouteau, M A Loriot, N Boyer, F Degos, P Calès, L Bettan, Y Bacq, H Coppere, J Didier Grange, P H Bernard, C Degott, S Erlinger, J-P Benhamou*

427 Chronic hepatitis C virus infections: predictive value of genotype and level of viraemia on disease progression and response to interferon α *J C L Booth, G R Foster, U Kumar, R Galassini, R D Goldin, J L Brown, H C Thomas*

433 Failure to incriminate hepatitis B, hepatitis C, and hepatitis E viruses in the aetiology of fulminant non-A non-B hepatitis *D Mutimer, J Shaw, J Neuberger, S Skidmore, B Martin, S Hubscher, P McMaster, E Elias*

437 Indications, methods, and outcomes of percutaneous liver biopsy in England and Wales: an audit by the British Society of Gastroenterology and the Royal College of Physicians of London *I T Gilmore, A Burroughs, I M Murray-Lyon, Roger Williams, D Jenkins, A Hopkins*

Gall stones

442 Holmium-YAG laser for gall stone fragmentation: an endoscopic tool *M J K Blomley, D A Nicholson, G Bartal, C Foster, A Bradley, M Myers, W Man, S Li, L M Banks*

446 Retained common bile duct stones after endoscopic sphincterotomy: temporary and longterm treatment with biliary stenting *D G Maxton, D E F Tweedle, D F Martin*

Pancreas

450 Treatment of pain in chronic pancreatitis by inhibition of pancreatic secretion with octreotide *P Malfertheiner, D Mayer, M Büchler, J E Domínguez-Muñoz, B Schiefer, H Ditschuneit*

455 Antibodies against p53 protein in serum of patients with benign or malignant pancreatic and biliary diseases *P Laurent-Puig, R Lubin, S Semhoun-Ducloux, G Pelletier, C Fourre, M Ducreux, M J Briantais, C Buffet, T Soussi*

Case report

459 Cyclosporin in the treatment of corticosteroid resistant autoimmune chronic active hepatitis *L D Jackson, E Song*

Special reports

462 Prospecitve audit of upper gastrointestinal endoscopy in two regions of England: safety, staffing, and sedatio methods *M A Quine, G D Bell, R F McCloy, J E Charlton, H B Devlin, A Hopkins*

468 Gastroenterology in the Trent Region in 1992 and a review of changes since 1975 *B B Scott*

Views and reviews

473 International Gastroenterology *Monica Acalovschi*

475 **Letters to the editor Book review Notes**

A477 **Pancreatic Society of Great Britain and Ireland**

No 4 APRIL 1995

Leading articles

481 Psychological factors in gastro-oesophageal reflux disease *B T Johnston, S A Lewis, A H G Love*

483 Acute gastrointestinal haemorrhage in patients treated with anticoagulant drugs
C P Choudari, K R Palmer
485 Role of biliary stenting in the management of bile duct stones in the elderly *H R Dalton, R W G Chapman*

Oesophagus
488 Rising death rate from non-malignant disease of the oesophagus (NMOD) in England and Wales *M Z Panos, R P Walt, C Stevenson, M J S Langman*

Oesophageal reflux
492 Omeprazole 10 mg or 20 mg once daily in the prevention of recurrence of reflux oesophagitis *C M Bate, S N Booth, J P Crowe, R A Mountford, P W N Keeling, B Hepworth-Jones, M D Taylor, P D I Richardson, Solo Investigator Group*
499 Integrity and characteristics of secondary oesophageal peristalsis in patients with gastro-oesophageal reflux disease *M N Schoeman, R H Holloway*
505 Precipitating causes of acid reflux episodes in ambulant patients with gastro-oesophageal reflux disease *C P Barham, D C Gotley, A Mills, D Alderson*

Stomach
511 Misoprostol inhibits gastric mucosal release of endogenous prostaglandin E_2 and thromboxane B_2 in healthy volunteers *A Mertz-Nielsen, O Eskerod, K Bukhave, J Rask-Madsen*
516 Cytophotometric and flow cytometric DNA content of isolated glands in gastric neoplasia *Y Kitayama, S Nakamura, H Sugimura, I Kino*
522 Accelerated gastric epithelial proliferation *M R Gray, S J Darnton, J A Hunt, R W Irlam, J Nemeth, H M Wallace*
528 Muscarinic M_1 receptor inhibition reduces gastroduodenal bicarbonate secretion and promotes gastric prostaglandin E_2 synthesis in healthy volunteers *A Mertz-Nielsen, J Hillingsø, O Eskerod, K Bukhave, J Rask-Madsen*

Peptic ulcer
534 A substantial proportion of non-ulcer dyspepsia patients have the same abnormality of acid secretion as duodenal ulcer patients *E El-Omar, I Penman, J E S Ardill, K E L McColl*
539 Effect of *Helicobacter pylori* status on intragastric pH during treatment with omeprazole *E F Verdú, D Armstrong, R Frazer, F Viani, J-P Idström, C Cederberg, A L Blum*
544 *Helicobacter pylori* eradication in the African setting, with special reference to reinfection and duodenal ulcer recurrence *J A Louw, W Lucke, K Jaskiewicz, A J Lastovica, T A Winter, I N Marks*

Small intestine
548 Effect of gliadin and other food peptides on expression of MHC class II molecules by HT-29 cells *T Mothes, U Bendix, C Pfannschmidt, I Lehmann*
553 Role of 5-hydroxytryptamine in intestinal water and electrolyte movement during gut anaphylaxis *F H Mourad, L J D O'Donnell, E Ogutu, J A Dias, M J G Farthing*
558 Effect of gonadectomy on epidermal growth factor values in the gastrointestinal tract of male and female CD-1 mice *M Sayegh, J B Elder*

Inflammatory bowel disease
564 Persistent measles virus infection of the intestine: confirmation by immunogold electron microscopy *J Lewin, A P Dhillon, R Sim, G Mazure, R E Pounder, A J Wakefield*
570 Increased faecal mucin sulphatase activity in ulcerative colitis: a potential target for treatment *H H Tsai, A D Dwarakanath, C A Hart, J D Milton, J M Rhodes*
577 Efficacy and safety of hydrostatic balloon dilatation of ileocolonic Crohn's strictures: a prospective longterm analysis *H Couckuyt, A M Gevers, G Coremans, M Hiele, P Rutgeerts*

Large intestine
581 Hereditary proctalgia fugax and constipation: report of a second family *A F Celik, P Katsinelos, N W Read, M I Khan, T C Donnelly*
585 Scintigraphic measurement of ileocaecal transit in irritable bowel syndrome and chronic idiopathic constipation *R Hutchinson, A Notghi, N B Smith, L K Harding, D Kumar*
590 Colorectal cancer screening in asymptomatic populations *A R Hart, A C B Wicks, J F Mayberry*

Liver
599 Serum intercellular adhesion molecule-1 levels in chronic hepatitis C: association with disease activity and response to interferon α *K T Nouri-Aria, J Koskinas, C J Tibbs, B C Portmann, Roger Williams*
604 Adhesion molecule expression in primary sclerosing cholangitis and primary biliary cirrhosis *S Bloom, K Fleming, R Chapman*
610 Octreotide, the reticuloendothelial system, and experimental liver tumour *N Davies, H Kynaston, J Yates, B A Taylor, S A Jenkins*
615 Prevalence and pattern of familial disease in primary biliary cirrhosis *A M Brind, G P Bray, B C Portmann, Roger Williams*
618 A three year follow up of self expanding metal stents in the endoscopic palliation of longterm survivors with malignant biliary obstruction *S O'Brien, A R W Hatfield, P I Craig, S P Williams*

Pancreas
622 Purification and assay of secretory lithostathine in human pancreatic juice by fast protein liquid chromatography *A Mariani, G Mezzi, A Malesci*
630 Quantification of human lithostathine by high performance liquid chromatography *J-P Bernard, M Barthet, G Gharib, R Michel, A Lilova, J Sahel, J-C Dagorn, M De Reggi*

Views and reviews
637 International Gastroenterology *C Arvanitakis*
639 **Letters to the editor Notes**

No 5 MAY 1995

Leading articles
641 A new class of colorectal cancer gene *L Cawkwell, P Quirke*
644 Liver transplantation for hepatocellular carcinoma *J McPeake, R Williams*
647 Recent advances in the endoscopic management of variceal bleeding *S G J Williams, D Westaby*

Oesophagus
649 Effect of topical oesophageal acidification on human salivary and oesophageal alkali secretion *C M Brown, C F Snowdon, B Slee, L N Sandle, W D W Rees*

Gastric epithelium
654 Endoscopic detection of ischaemia with a new probe indicates low oxygenation of gastric epithelium in portal hypertensive gastropathy *C Piasecki, J Chin, L Greenslade, N McIntyre, A K Burroughs, P A McCormick*

657 Non-steroidal anti-inflammatory drugs and prostaglandin effects on pepsinogen secretion by dispersed human peptic cells *A I Lanas, J Nerín, F Esteva, R Sáinz*
664 Effect of capsaicin and chilli on ethanol induced gastric mucosal injury in the rat *J Y Kang, C H Teng, A Wee, F C Chen*

Helicobacter pylori
670 Detection of the intragastric sites at which *Helicobacter pylori* evades treatment with amoxycillin and cimetidine *J C Atherton, A Cockayne,M Balsitis, G E Kirk, C J Hawkey, R C Spiller*
675 Prevalence of *Helicobacter pylori* in patients with gall stones before and after cholecystectomy: a longitudinal study *N A Abu Farsakh, E Roweily, M Steitieh, R Butchoun, B Khalil*

Gastrointestinal cancer
679 Primary gastric lymphoma in clinical practice 1973–1992 *A F Muller, A Maloney, D Jenkins, F Dowling, P Smith, E M Bessell, P J Toghill*
684 Preservation of the spleen improves survival after radical surgery for gastric cancer *J P Griffith, H M Sue-Ling, I Martin, M F Dixon, M J McMahon, A T R Axon, D Johnston*
691 Colonic cell proliferation in two different ethnic groups with contrasting incidence of colon cancer: is there a difference in carcinogenesis? *A van't Hof, K Gilissen, R J Cohen, L Taylor, Z Haffajee, A L Thornley, I Segal*
696 South Asian and European colitics show characteristic differences in colonic mucus glycoprotein type and turnover *C S J Probert, B F Warren, T Perry, E H Mackay, J F Mayberry, A P Corfield*

Coeliac disease
703 Translocation of gliadin into HLA-DR antigen containing lysosomes in coeliac disease enterocytes *K-P Zimmer, C Poremba, P Weber, P J Ciclitira, E Harms*
710 Osteoporosis in treated adult coeliac disease *X A McFarlane, A K Bhalla, D E Reeves, L M Morgan, D A F Robertson*

Inflammatory bowel disease
715 Duration of recurrent ileitis after ileocolonic resection correlates with presurgical extent of Crohn's disease *G R D'Haens, A E Gasparaitis, S B Hanauer*
718 Enhanced colonic nitric oxide generation and nitric oxide synthase activity in ulcerative colitis and Crohn's disease *D Rachmilewitz, J S Stamler, D Bachwich, F Karmeli, Z Ackerman, D K Podolsky*
724 Adhesion molecules in inflammatory bowel disease *S C Jones, R E Banks, A Haidar, A J H Gearing, I K Hemingway, S H Ibbotson, M F Dixon, A T R Axon*

Large intestine
731 Novel germline APC gene mutation in a large familial adenomatous polyposis kindred displaying variable phenotypes *R J Scott, R van der Luijt, M Spycher, J-L Mary, A Müller, Th Hoppeler, M Haner, Hj Müller, S Martinoli, P-L Brazzola, P Meera Khan*
737 Constitutive and cytokine induced expression of HLA molecules, secretory component, and intercellular adhesion molecule-1 is modulated by butyrate in the colonic epithelial cell line HT-29 *D Kvale, P Brandtzaeg*

Motility
743 Differential regional effects of octreotide on human gastrointestinal motor function *M R von der Ohe, M Camilleri, G M Thomforde, G G Klee*

Liver
749 Liver cytosolic 1 antigen-antibody system in type 2 autoimmune hepatitis and hepatitis C virus infection *M Lenzi, P Manotti, L Muratori, M Cataleta, G Ballardini, F Cassani, F B Bianchi*

Biliary tree
755 Effect of octreotide on fasting gall bladder emptying, antroduodenal motility, and motilin release in acromegaly *M F J Stolk, K J van Erpecum, H P F Koppeschaar, M Samsom, A J P M Smout, L M A Akkermans, T L Peeters, G P vanBerge-Henegouwen*
761 Is biliary lithiasis associated with pancreatographic changes? *M Barthet, C Affriat, J-P Bernard, P Berthezene, J-C Dagorn, J Sahel*
766 Somatostatin prevents the postoperative increases in plasma amino acid clearance and urea synthesis after elective cholecystectomy *H Heindorff, P Billesbølle, S Ligård Pedersen, R Hansen, H Vilstrup*

Pancreas
771 Diagnosis of pancreatic cancer by 2[^{18}F]-fluoro-2-deoxy-D-glucose positron emission tomography *H Friess, J Langhans, M Ebert, H G Beger, J Stollfuss, S N Reske, M W Büchler*
778 Laparoscopic biliary and gastric bypass: a useful adjunct in the treatment of carcinoma of the pancreas *M Rhodes, L Nathanson, G Fielding*
781 Detection of c-Ki-ras gene codon 12 mutations from pancreatic duct brushings in the diagnosis of pancreatic tumours *J-L Van Laethem, P Vertongen, J Deviere, J Van Rampelbergh, F Rickaert, M Cremer, P Robberecht*

Case reports
788 Intestinal fatty acid binding protein is available for diagnosis of intestinal ischaemia: immunochemical analysis of two patients with ischaemic intestinal diseases *T Kanda, H Fujii, M Fujita, Y Sakai, T Ono, K Hatakeyama*
792 Fulminant hepatic failure caused by tuberculosis *W Hussain, D Mutimer, R Harrison, S Hubscher, J Neuberger*

Special report
795 The nurse endoscopist

Views and reviews
796 Personal viewpoint *K F R Schiller*

798 **Letters to the editor Book review Obituary**

No 6 JUNE 1995

Leading articles
803 Current views on the pathophysiology of acute biliary pancreatitis *A K Banerjee, R J C Steele*
806 Soluble adhesion molecules in immune mediated liver disease *K J Simpson, P C Hayes*

Hiatus hernia
809 Twenty to 40 year follow up of infantile hiatal hernia *B T Johnston, I J Carré, P S Thomas, B J Collins*

Stomach
813 Muscarinic receptors in gastric mucosa are increased in peptic ulcer disease *A Pfeiffer, W Krömer, J Friemann, M Ruge, M Herawi, M Schätzl, U Schwegler, B May, H Schatz*
819 Prevalence and incidence of peptic ulcer disease in a Danish County – a prospective cohort study *S J Rosenstock, T Jørgensen*
825 Gastric emptying of a solid meal is accelerated by the removal of dietary fibre naturally present in food *L Benini, G Castellani, F Brighenti, K W Heaton, M T Brentegani, M C Casiraghi, C Sembenini, P Pellegrini, A Fioretta, G Minniti, M Porrini, G Testolin, I Vantini*

Helicobacter pylori

831 *Helicobacter pylori* reinfection with identical organisms: transmission by the patients' spouses *K Schütze, E Hentschel, B Dragosics, A M Hirschl*

834 Cure of peptic gastric ulcer associated with eradication of *Helicobacter pylori* *K Seppälä, P Pikkarainen, P Sipponen, E Kivilaakso, M H Gormsen, and the Finnish Gastric Ulcer Study Group*

838 A population based study of *Helicobacter pylori* infection in a European country: the San Marino Study. Relations with gastrointestinal diseases *G Gasbarrini, S Pretolani, F Bonvicini, M R A Gatto, E Tonelli, F Mégraud, K Mayo, G Ghironzi, G Giulianelli, M Grassi*

845 High *Helicobacter pylori* numbers are associated with low eradication rate after triple therapy *M Moshkowitz, F M Konikoff, Y Peled, M Santo, A Hallak, Y Bujanover, E Tiomny, T Gilat*

Gastrointestinal cancer

848 Chronology of p53 protein accumulation in gastric carcinogenesis *M E Craanen, P Blok, W Dekker, G J A Offerhaus, G N J Tytgat*

853 Photodynamic therapy for malignant tumours of the ampulla of Vater *A M Abulafi, J T Allardice, N S Williams, N van Someren, C P Swain, C Ainley*

857 Colonic epithelium is diffusely abnormal in ulcerative colitis and colorectal cancer *P Gibson, O Rosella, R Nov, G Young*

Small intestine

864 Stimulation and inhibition of proliferation in the small intestinal crypts of the mouse after in vivo administration of growth factors *C S Potten, G Owen, D Hewitt, C A Chadwick, H Hendry, B I Lord, L B Woolford*

874 Histological changes in small bowel mucosa induced by gliadin sensitive T lymphocytes can be blocked by anti-interferon γ antibody *R T Przemioslo, K E A Lundin, L M Sollid, J Nelufer, P J Ciclitira*

Inflammatory bowel disease

880 Microscopic colitis syndrome *B Veress, R Löfberg, L Bergman*

887 P-ANCA in monozygotic twins with inflammatory bowel disease *P Yang, G Järnerot, D Danielsson, C Tysk, E Lindberg*

891 Evaluation of intestinal permeability in patients with inflammatory bowel disease using lactulose and measuring antibodies to lipid A *T Oriishi, M Sata, A Toyonaga, E Sasaki, K Tanikawa*

897 Significance of systemic endotoxaemia in inflammatory bowel disease *K R Gardiner, M I Halliday, G R Barclay, L Milne, D Brown, S Stephens, R J Maxwell, B J Rowlands*

902 Preservation of complete anal sphincteric proprioception in restorative proctocolectomy: the inhibitory reflex and fine control of continence need not be impaired *W G Lewis, M E R Williamson, A S Miller, P M Sagar, P J Holdsworth, D Johnston*

Large intestine

907 Relationships between defecographic findings, rectal emptying, and colonic transit time in constipated patients *U Karlbom, L Påhlman, S Nilsson, W Graf*

913 First clinical results with a real time, electronic imager as an aid to colonoscopy *B P Saunders, G D Bell, C B Williams, J S Bladen, A P Anderson*

918 High pH reduces DNA damage caused by bile from patients with familial adenomatous polyposis: antacids may attenuate duodenal polyposis *D K Scates, S Venitt, R K S Phillips, A D Spigelman*

Liver

922 Increased PiZ gene frequency for α_1 antitrypsin in patients with genetic haemochromatosis *A-N Y Elzouki, R Hultcrantz, P Stål, R Befrits, S Eriksson*

927 Low prevalence of primary biliary cirrhosis in Victoria, Australia *R G P Watson, P W Angus, M Dewar, B Goss, R B Sewell, R A Smallwood, and the Melbourne Liver Group*

931 Natural history of bacteriuria in women with primary biliary cirrhosis and the effect of antimicrobial therapy in symptomatic and asymptomatic groups *P Butler, J M T Hamilton-Miller, N McIntyre, A K Burroughs*

Gall stones

935 Characterisation of patients with a complete biochemical response to ursodeoxycholic acid *R A Jorgensen, E R Dickson, A F Hofmann, S S Rossi, K D Lindor*

Case report

939 Ecstasy induced hepatitis mimicking viral hepatitis *R S Dykhuizen, P W Brunt, P Atkinson, J G Simpson, C C Smith*

942 **Letters to the editor Book reviews Notes**

A949 **British Association for the Study of the Liver**

953 **Volume 36: Author Index – Main Headings**

956 **Volume 36: Subject Index – Main Headings**

965 **Volume 36: Author Index – Supplement No 1**

968 **Volume 36: Subject Index – Supplement No 1**